

Lewis & Clark Trunks

Burr Oak Woods is pleased to offer Lewis and Clark Expedition educational trunks to educators and students. These trunks contain a host of educational materials, examples of equipment used during the expedition, mammal furs and a variety of other artifacts. We have a total of four kits, two for primary ages and two for intermediate ages.

To reserve a kit please contact Lauren at 816-228-3766. Trunks may be checked out for no more than two weeks and you are responsible for both pick up and return of your box. Please be sure to call well in advance of your desired time as we anticipate a great deal of demand for these trunks.



Quote from
Henry David Thoreau:
"I went to the woods to see what it had to teach."



Interpretive Programs Guide

BURR OAK WOODS CONSERVATION NATURE CENTER
MISSOURI DEPARTMENT OF CONSERVATION
1401 NW Park Road
Blue Springs, MO 64015

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Missouri Department of Conservation

Burr Oak Woods Conservation Nature Center



Interpretive Programs Guide for Teachers and Group Leaders 2005-2006

Our mission is to bring people and nature together, and conserve it too!

General Information

Burr Oak Woods Conservation Nature Center invites educators and their students to participate in our engaging, hands-on programs.

Our programs are designed to provide students the opportunity to learn about the natural world and the importance of enjoying and conserving our fish, forest and wildlife resources.

Make plans to visit Burr Oak Woods soon. We guarantee our quality and your satisfaction!

**Burr Oak Woods CNC
1401 NW Park Road
Blue Springs, MO
64015
Phone: 816-228-3766
Fax: 816-655-6267
www.burroakwoods.org**

AT BURR OAK WOODS CONSERVATION NATURE CENTER, YOU WILL FIND A VARIETY OF PROGRAMS FOR CHILDREN FROM PRE-SCHOOL THROUGH HIGH SCHOOL, ALL INCORPORATING HANDS-ON LEARNING OPPORTUNITIES IN THE OUTDOORS.

WE HAVE DESIGNED PROGRAMS THAT WILL ENHANCE THOSE SCIENCE-BASED SUBJECTS TAUGHT AT THE VARIOUS GRADE LEVELS; PROGRAMS THAT ALSO ADHERE TO MISSOURI SHOW-ME STATE STANDARDS. WE HOPE YOU WILL CONSIDER BRINGING YOUR STUDENTS TO BURR OAK WOODS — WE GUARANTEE THAT YOUR STUDENTS WILL BE ENGAGED, WILL LEARN, AND HAVE FUN AT THE SAME TIME.

Scheduling Guidelines

Select a program. If you need help in deciding which program you want, we are happy to assist.

Call 816-228-3766 at least three weeks prior to the desired date. Please be prepared with:

- title of program
- date and time (Tuesday through Friday, 8 a.m. to 3 p.m.)
- teacher's name(s), school, address and phone number
- number and grade of students
- any special needs for one or more of your students

Program Confirmation will be sent two weeks prior to your visit.

Arriving on time is very important. Plan to arrive 5-10 minutes prior to your program start time. If late, we cannot extend our program time due to our program schedule.

Cancellation of a program by BOW may happen in extreme weather. If you must cancel, please call 816-228-3766 at least 24 hours prior to your scheduled visit.

Dressing for the outdoors is very important. Please remind your children (and chaperones) they need to dress appropriately for the weather as our programs have an outdoor component. We suggest a note home prior to the field trip as a reminder.

Student name tags are encouraged.

Chaperone/child ratios are one adult per 10 children.

Maximum Program group size is 60 students for grades K-5, 30 for pre-K. We realize that you may need to bring more students, which is fine. However, to insure program quality, it may be necessary for you to schedule back-to-back programs. Thus while half your children are in the program, the others may walk a trail with teachers and chaperones.

Discipline is the responsibility of and expectation for teachers and chaperones. We reserve the right to ask students to leave if they are destructive or disrespectful of staff and volunteers.

Grade Limits on programs are flexible to some extent. Please inquire at the time of registration.

A Few Rules

Collecting The collecting of living and non-living natural objects is not allowed, unless it is a part of our staff- and volunteer-led scheduled program.

Smoking Smoking is not allowed in the nature center. We ask that no one smoke during the outdoor portion of our program, as well.

Live Animals We will never force a child to touch a live animal, likewise we do not present wildlife that are dangerous.

Special Note When students are exploring the nature center, we ask that you please keep your students from banging on the aquaria housing our amphibians and reptiles.

Programs

***5th and up
90 minutes***

Missouri Snakes

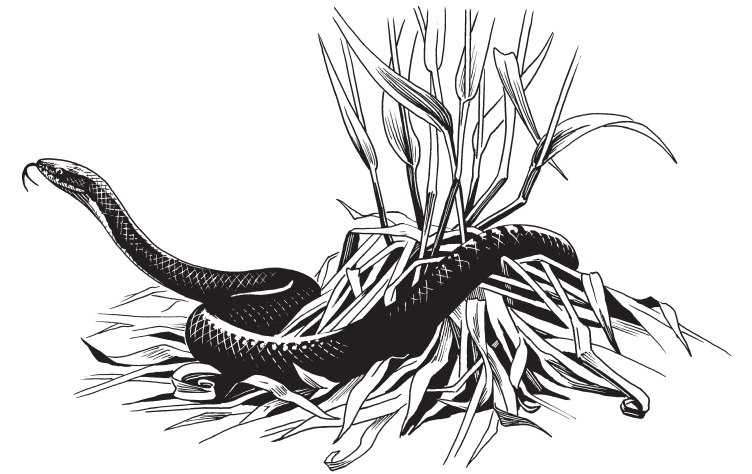
Time of Year: Year-round

What is it about snakes that instill fear in many of us? Is it because they are so different that makes them so frightful to us? In this program, we will explore the life and habits of Missouri snakes and learn about their unique adaptations. You can be assured that everyone in your group will learn something new, meet a live snake, and hopefully replace any fear with respect and a greater understanding. **Missouri State Science Standards: SC3 Concept 1A 1.5, 1.6, 3.1, 3.6**

You Be the Judge

Time of Year: Year-round

Often, conservation and natural resource issues have easy solutions. During this interactive program, your students will have the opportunity to examine a controversial issue as they play a role in a town council meeting. They must come to a consensus on a course of action. How will they effectively balance human want and need with the need for conservation of our natural resources. Why are these resources important? **Missouri State Science Standards: SC4 Concept 1 D 3.6**



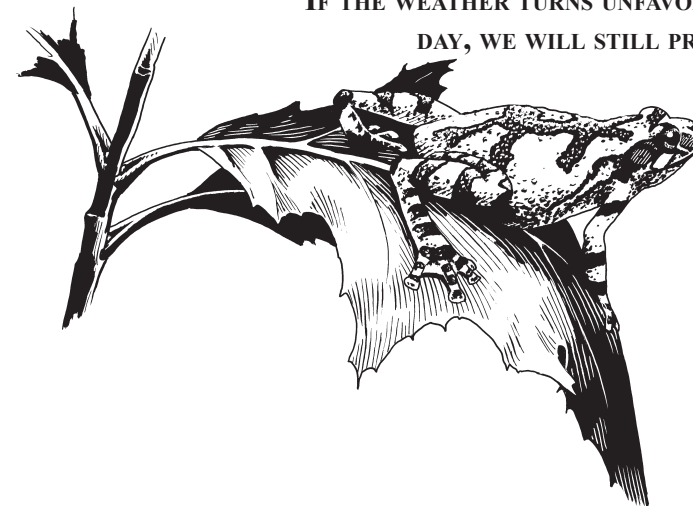
Where the Green Things Grow

Time of Year: Year-round

Would you like to be able to produce your own food? That would mean no fast food and no grocery shopping! Well, plants don't mind. They produce their own food through a process called photosynthesis. Students will learn the parts of a plant and what it takes to make their own food. We will head outdoors for a closer look at many different types of plants. Your students will even make a take-home terrarium. Please bring an empty and clean two litter bottle with lid. **Missouri State Science Standards: SC4 concept 1A1.1, 1.3,1.5,1.6; SC4 concept 1B4.1; SC7 concept 1B 1.4, 1.7**

Rain or Shine

IF THE WEATHER TURNS UNFAVORABLE TO GO OUTSIDE ON YOUR FIELD TRIP DAY, WE WILL STILL PROVIDE YOU A QUALITY PROGRAM!



Critters Close-up!

Time of Year: Year-round

Your students can meet several of our captive live reptiles and amphibians in this fun, eyeball-to-eyeball program. We'll include snakes, turtles, frogs and perhaps even a salamander! **Missouri State Science Standards: SC3 Concept B 1.3, 1.6**

Programs

3rd-4th graders 90 minutes

Insect-a-mania!

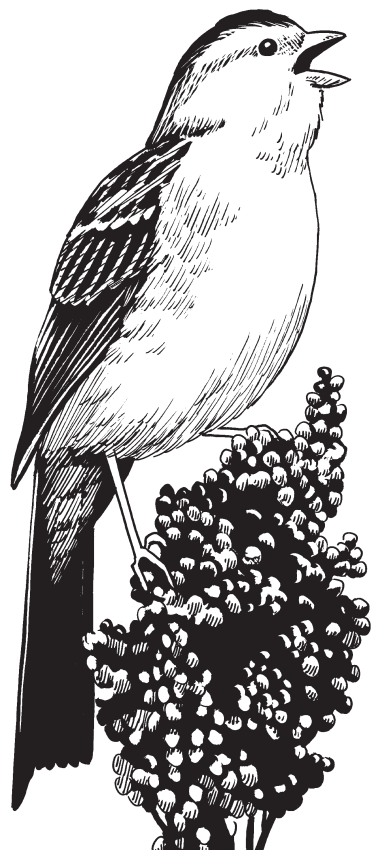
Time of Year: Fall and Spring (May only)*

The study of insects is like entering a fantastic although alien new world! Your students will marvel at the incredible adaptations of these critters. We will become entomologists as we venture out onto a prairie to collect and closely examine these strange and wonderful creatures! Missouri State Science Standards: SC4 Concept 2A 1.5, 1.6

Birds of a Feather

Time of Year: Winter and Spring*

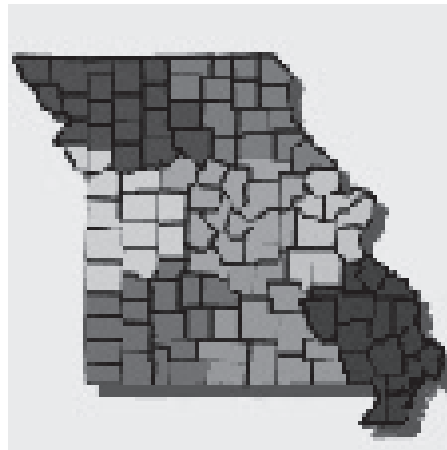
Birds are the most common wild animal spotted on nature hikes and are fascinating to study. In this program, students will learn about the characteristics and adaptations of birds and learn to identify common birds on a Naturalist led bird hike. Missouri State Science Standards: SC4 Concept 2a 1.5, 1.6; SC7 Concept B 1.4, 1.7



State of Excitement

Time of Year: Year-round

During this program your students will discover some of the wonders of Missouri as they hike around Burr Oak Woods then participate in an interactive game show. We will review the state symbols, including our new state amphibian and delve into the past, present and future of conservation in our great state. Missouri State Science Standard: SS2a, A 1.10, 2.1, 4.1; SS5B, D



Amazing Adaptations

Time of Year: Year-round

From webbed toes to gnawing teeth, animals have an amazing assortment of adaptations. During this program, your students will learn about adaptations and how they help both plants and animals survive, through artifacts and an outdoor walk. Missouri State Science Standards: SC4 Concept 2A 1.5, 1.6, Concept 1B 1.6

Who Goes There?

Time of Year: Year-round

They are always out there, but we don't always see the animals that call the forests and prairies home. Join us and learn the tell-tale signs of animal activity, from tracks and scat, to sounds and homes. We'll then head outdoors in search of animal signs, and of course, the animals themselves. Missouri State Science Standards: SC4 concept 1A; SC7 concept 1B; concept 1D, 1E

*Time of Year
Fall = September thru October
Winter = October thru March
Spring = April thru May

When You Arrive

The Nature Center

Burr Oak Woods Conservation Nature Center is owned by the Missouri Department of Conservation. Nestled in the heart of this 1,071-acre state forest are five hiking trails, including two paved trails, which provide easy access to most parts of the area. The 15,000 square-foot interpretive center has educational and informative exhibits, including a 3,000-gallon freshwater aquarium, a new wildlife viewing room and a variety of live amphibians and reptiles on exhibit.

Lunch Facilities

Burr Oak Woods has two pavilions to use for lunch. These are available on a first-come/first-serve basis. Please keep in mind that the two shelters do require a drive from the interpretive center. There is a dumpster at both locations for placing trash at the end of your picnic. Please bring trash bags or inquire at the front desk for trash bags to dispose your trash properly. There is also a picnic area with playground equipment at a city park just outside Burr Oak Woods' front gate.

The Nature Shop

The nature shop is open from 8:00 a.m. to 5:00 p.m. daily. If your group plans to stop at the nature shop, please do so at the end of your scheduled visit. Let your children know that there will be an opportunity to purchase items which range from \$.50 to \$6.00 plus tax. All students must be with an adult while visiting.

Program Evaluation

We take our education programs seriously. To help insure that our programs are taught at the highest level, we provide evaluation forms for every program. These evaluations give our Naturalists and Volunteer-Naturalists direct feedback not only about the program but also how each of them performed. These evaluations are pre-addressed and stamped. Please take a few moments following your program and provide us with feedback about your experience.

Thank you!

Programs at Your School

DURING THE MONTHS OF DECEMBER THROUGH MARCH WE WILL DO THE TRAVELING AS WE TAKE OUR SHOW ON THE ROAD! BELOW ARE PROGRAMS THAT WE CAN TEACH IN YOUR CLASSROOM FROM DECEMBER THROUGH MARCH. EACH PROGRAM IS DESIGNED FOR AN ENTIRE GRADE LEVEL AT YOUR SCHOOL WITH THE TOTAL VISIT LASTING NO MORE THAN TWO HOURS (INDIVIDUAL PROGRAM TIMES VARY WITH AGE OF THE CHILDREN). TO MAKE A RESERVATION, PLEASE CALL 816-228-3766. TO PARTICIPATE YOUR SCHOOL MUST BE IN MISSOURI AND WITHIN 45 MINUTES OF BURR OAK WOODS.

Nature's Naming Game **Grades K-2nd**

We use classification in our everyday life to group objects together based on common characteristics. We classify clothing, books, and even food! Classification is also an important tool scientists use to examine the natural world. For example: long tail vs. short tail or smooth bark vs. rough bark. We will use interactive activities to demonstrate exactly what classification is. Missouri State Science Standards: SC3 Concept 1A 1.6, 2.3, Concept 1B 1.6, Concept 2A 1.6

The Cycle Of Life **Grades 3rd-5th**

Here's an opportunity for your students to learn about the relationships between those organisms that make up the natural world. We'll check out that whole producer/consumer/decomposer deal as well as look at predator-prey relationships, food webs and the rest. We'll even figure out where we fit into the picture. Missouri State Science Standards: SC4 Concept 1A 1.6, Concept 1B 4.1; SC3 Concept 2C 1.6

You Be the Judge **Grades 5th and up**

Often, conservation and natural resource issues do not have easy solutions. During this interactive program, your students will have an opportunity to examine a controversial issue as they play a role in a town council meeting. They must come to a consensus on a course of action. How will they effectively balance human want and need with the need for conservation of our natural resources. Why are these resources important? Missouri State Science Standards: SC4 Concept 1 D 3.6

Self-guided Visits

SELF-GUIDED GROUPS ARE ALWAYS WELCOME AT THE NATURE CENTER. WE DO ASK THAT YOU SCHEDULE YOUR VISIT AS YOU WOULD ANY PROGRAM WITHIN THIS BROCHURE. UPON ARRIVAL, PLEASE CHECK IN AT THE FRONT DESK TO VERIFY YOUR ARRIVAL ALONG WITH THE NUMBER OF STUDENTS AND CHAPERONES. WHEN YOU CHECK IN, YOU WILL BE GIVEN A TRAIL MAP. AS WITH ANY OF OUR NATURALIST-LED PROGRAMS, WE ASK THAT YOU ALSO BRING ENOUGH CHAPERONES TO CONTROL THE BEHAVIOR OF YOUR STUDENTS.

Programs

Pre-K - Kindergarten

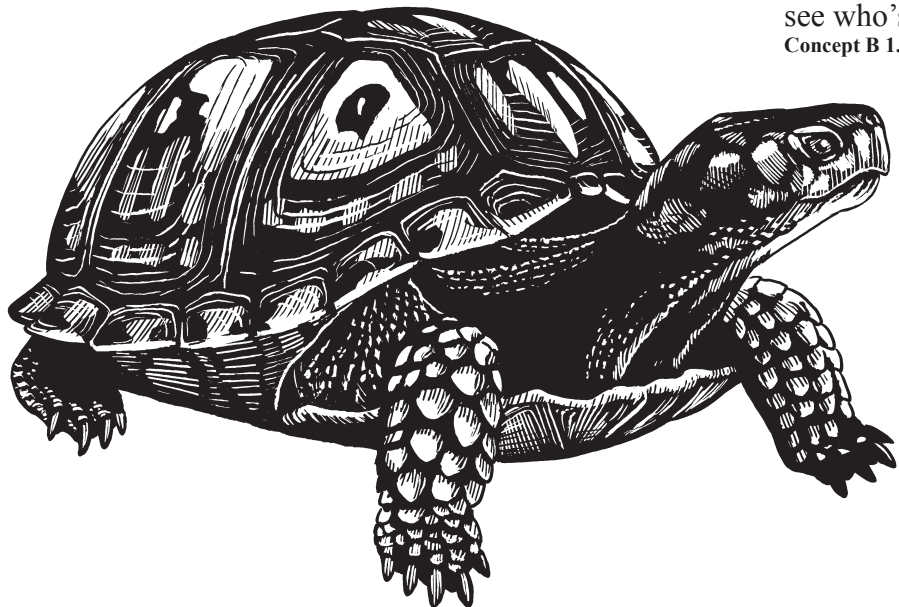
60 minutes

Seasons of Change
Time of year: Year round
The natural world is constantly changing as it moves from season to season. We will help your students discover the wonders of the present season through activities and demonstrations while we explore the outdoors on our trails. Missouri State Science Standards: SC3 Concept B 1.3, 1.6



Naturally Sense-sational!
Time of Year: Year-round
Animals use the same five senses we do, but some use them quite differently. We will talk with some puppet friends and learn how they use their senses and then head outside to use ours! Come make some exciting discoveries with your eyes, ears, nose, and hands! Missouri State Science Standards: SC3 Concept B 1.3, 1.6

Do the Locomotion!
Time of Year: Year-round
Animals move in an amazing variety of ways, from slithering like a snake to soaring like a bird. With the aid of friendly puppets, we will show your students how many familiar animals move and even try to imitate a few. We will then head outside to search for the animals of Burr Oak Woods. Missouri State Science Standards: SC3 Concept B 1.3, 1.6



Nature’s Hide and Seek
Time of Year: Fall and Spring: Kindergarten only, please*
In this fun and interactive program, students will learn about some of the strategies animals use to hide from predators or seek out prey. Then we will test the student’s observation skills as we hike down our Hide and Seek Trail! Missouri State Science Standards: SC3 Concept B 1.3, 1.6

Happenin’ Habitats!
Time of Year: Year-round; Kindergarten only, please
Everything needs a place to live, whether plant or animal. Your students will learn what makes a habitat a home, and then we will head outdoors to explore a real forest habitat. We will perform actual research to see who’s living there. Missouri State Science Standards: SC3 Concept B 1.3, 1.6

*Time of Year
Fall = September thru October
Winter = October thru March
Spring = April thru May

Programs

1st-2nd graders

90 minutes

“M” Files
Time of Year: Year-round
We have called in the Naturalists in black to unlock the clues to a special mystery. We need the help of your students to solve the case. We will work together to uncover each clue surrounding this case, using rap sheets and eyewitness accounts to discover the identity of the “mystery mammal.” Missouri State Science Standards: SC3 Concept A 1.6, 2.3, Concept B 1.6; SC7 Concept 1.1, 1.2, Concept 1.6, Concept E 2.1



What’s for Dinner?
Time of Year: Year-round
Nature can be very dangerous at times! Whether you are a prey animal or a predator, everything is at risk of becoming dinner, but, we all have to eat in order to survive. Your students will learn how different animals and plants obtain their food and how they are all connected into a food web through interactive activities. Missouri State Science Standards: SC3 Concept A 1.3, 1.6; SC7 Concept C 1.6

*Time of Year
Fall = September thru October
Winter = October thru March
Spring = April thru May

Missouri’s Creepiest Resident
Time of Year: Year-round
Missouri is home to many kinds of wild animals, many of which people may find creepy! During this interactive program in a game show format, your students will learn the important roles these critters play in the natural world. You’ll even meet some of them up close and personal. We will then head outdoors in search of Burr Oak Woods creepy residents. Missouri State Science Standards: SC3 Concept A 1.6, 2.3, Concept B 1.6

Fantastic Plants
Time of Year: Fall and Spring*
While spring may be the showiest time to view the plants of Burr Oak Woods, there are things to learn about them throughout the year. During this program we will explore the parts of a plant, how plants and insects help each other, and one of our students may even magically become a plant! We will take a hike on one of our trails to see what is growing. Missouri State Science Standards: SC3 Concept A 1.3, 1.6, Concept B 1.6; SC7 Concept B 1.4

